

## Објављени научни радови и саопштења

Кандидаткиња Јасмина (Јасминко) Мушовић је аутор и коаутор укупно двадесет шест саопштења, од којих су два рада у међународном часопису изузетних вредности (M21a), три рада у врхунским међународним часописима (M21), четири саопштења са међународног скупа штампана у целини (M33), четрнаест саопштења са међународног скупа штампана у изводу (M34) и три саопштења са скупова националног значаја штампана у изводу (M64).

### 1. Рад у међународном часопису изузетних вредности (M21a)

- Lazarević D., **Mušović J.**, Trtić-Petrović T., Gadžurić S., Partition of parthenolide in ternary {block copolymer + biocompatible ionic liquid or natural deep eutectic solvent + water} systems, Separation and Purification Technology 314 (2023) 123653. <https://doi.org/10.1016/j.seppur.2023.123653>
- Marić S., Jocić A., Tekić D., **Mušović J.**, Milićević J., Dimitrijević A., Customizable cholinium-based aqueous biphasic systems as ecofriendly extraction platform for removal of pesticide from wastewaters, Separation and Purification Technology 340 (2024) 126609. <https://doi.org/10.1016/j.seppur.2024.126609>

### 2. Радови у врхунским међународним часописима (M21)

- **Mušović J.**, Vraneš M., Papović S., Gadžurić S., Ražić S., Trtić-Petrović T., Greener sample preparation method for direct determination of Cd(II) and Pb(II) in river sediment based on an aqueous biphasic system with functionalized ionic liquids, Journal of Molecular Liquids 369 (2023) 120974. <https://doi.org/10.1016/j.molliq.2022.120974>
- Ražić S., Arsenijević J., Đogo Mračević S., **Mušović J.**, Trtić-Petrović T., Greener chemistry in analytical sciences: from green solvents to applications in complex matrices. Current challenges and future perspectives: a critical review, The Analyst 148 (2023) 3130-3152. <https://doi.org/10.1039/D3AN00498H>
- Dimitrijević A., Marić S., Jocić A., Tekić D., **Mušović J.**, Amaral J.S., Green Extraction Strategy Using Bio-Based Aqueous Biphasic Systems for Polyphenol Valorization from Grape By-Product, Foods 13(6) (2024) 954. <https://doi.org/10.3390/foods13060954>

### 3. Саопштења са међународног скупа штампана у целини (M33)

- **Mušović J.**, Lazarević D., Vraneš M., Gadžurić S., Trtić-Petrović T., Spectrophotometric study of stability constant of 1-butyl-3-methylimidazolium 2-mercaptobenzothiazole and cadmium(II), 3rd European NECTAR Conference, Ljubljana, Slovenia, 2022, Proceedings: 37-38, ISBN 978-961-7078-29-9.
- Lazarević D., **Mušović J.**, Gadžurić S., Vraneš M., Trtić-Petrović T., Spectrophotometric determination of stability constants cobalt (II) and cholinium-picolinate, 3rd European

NECTAR Conference, Ljubljana, Slovenija, 2022, Proceedings: 86-87, ISBN 978-961-7078-29-9.

- Mrđa D., **Mušović J.**, Vučićević B., Turanjanin V., Trtić-Petrović T., Marinović-Cincović M., Gojak M., Effect of Carbon Nanotubes and Nanofibers Addition on the Thermal Properties of Coconut Oil PCM, 20th International Conference on Thermal Science and Engineering of Serbia Niš, Serbia, 2022.
- Mrđa D., Vučićević B., **Mušović J.**, Marinović-Cincović M., Trtić-Petrović T., Mladenović M., Turanjanin V., THE POSSIBILITY OF USING POLYMER-BASED PHASE CHANGE MATERIALS FOR THERMAL ENERGY STORAGE, XII INTERNATIONAL CONFERENCE ON SOCIAL AND TECHNOLOGICAL DEVELOPMENT, Trebinje, 2023.

#### 4. Saopšteња sa međunarodnog skupa štampana u izvodu (M34):

- **Mušović J.**, Papović S., Vraneš M., Gadžurić S., Trtić-Petrović T., Evaluation of the environmental acceptability of the separation method based on ionic liquid for Cd(II) and Pb(II) determination, 58th Meeting of the Serbian Chemical Society, Beograd, Srebia, 2022, Proceeding: 79, ISBN: 978-86-7132-079-5.
- **Mušović J.**, Papović S., Vraneš M., Ražić S., Gadžurić S., Trtić-Petrović T., Functionalized Ionic Liquid Based on 2-Mercaptobenzothiazole for Solid-Liquid Extraction of Cd(II) and Pb(II) from a Sediment Sample, 2nd European Sample Preparation e-Conference, on-line, Organized by the EuChemS-DAC Sample Preparation Study Group and Network , 2022, Proceeding: 170, ISBN: 978-2-9602706-1-7.
- Trtić-Petrović T., Lazarević D., **Mušović J.**, PARTITION OF PARTHENOLIDE IN ABS BASED ON BLOCK COPOLYMER AND IONIC LIQUID, BIOPARTITIONING & PURIFICATION CONFERENCE, AVEIRO, PORTUGAL, 2022, Proceeding: 34.
- Ražić S., **Mušović J.**, Vraneš M., Papović S., Gadžurić S., Trtić-Petrović T., Greener Sample Preparation Method for Direct Determination of Toxic Metals in River Sediments Using Functionalized Ionic Liquids, International Conference on Chemistry and the Environment – ICCE 2023, Venice, Italy, 2023. Proceeding: 188.
- **Mušović J.**, Marić S., Jocić A., Milićević J., Stanković D., Dimitrijević A., Responsive Ionic Liquid-Based Aqueous Biphasic Systems as Efficient Extraction Platform for Sustainable Removal of Pesticides from Wastewater, 28th Young Investigators' Seminar on Analytical Chemistry YISAC 2023, Belgrade, Serbia, 2023, Proceeding: 31, ISBN: 97886-7220-121-5.
- Lazarević D., **Mušović J.**, Jovanović J., Trtić-Petrović T., The Influence of Natural Deep Eutectic Solvents and Ionic Liquids on the Formation of the Biphasic Water Systems, Applications of Chemistry in Nanosciences and Biomaterials Engineering , on line , 2023.
- Lazarević D., **Mušović J.**, Trtić-Petrović T., Gadžurić S., Pluronic-based biocompatible ternary systems for extraction of parthenolide, 38th International Conference on Solution Chemistry , Belgrade, Serbia , 2023, Proceeding:35, ISBN: 978-86-7031-624-9.

- Trtić-Petrović T., **Mušović J.**, Stanković D., Vraneš M., Gadžurić S., The effect of pH value on the partitioning of technology-critical elements in aqueous biphasic systems based on a deep eutectic solvent, 38th International Conference on Solution Chemistry, Belgrade, Serbia , 2023, Proceeding: 107, ISBN: 978-86-7031-624-9.
- **Mušović J.**, Stanković D., Trtić-Petrović T., Vraneš M., Gadžurić S., Partitioning of metals by green aqueous biphasic systems based on functionalized ionic liquid and deep eutectic solvent, 38th International Conference on Solution Chemistry, Belgrade, Serbia , 2023, Proceeding:109, ISBN: 978-86-7031-624-9.
- **Mušović J.**, Stanković D., Vraneš M., Ražić S., Trtić-Petrović T., Separation of e-waste metals using green aqueous two-phase systems based on functionalized ionic liquids and deep eutectic solvents, EuroAnalysis 2023 , Geneva, Switzerland, 2023, Proceeding: 112.
- Tekić D., Dimitrijević A., Jocić A., Marić S., **Mušović J.**, Enhanced regeneration of adsorbent material through innovative application of ionic liquids, 3rd DIFENEW INTERNATIONAL STUDENT CONFERENCE DISC 2023 , Novi Sad , 2023, Proceeding:66, ISBN 978-86-6022-632-9.
- Tekić D., Dimitrijević A., Jocić A., Marić S., **Mušović J.**, Maximising pesticide extraction efficiency with ionic liquid-based aqueous biphasic systems optimisation approach, 3rd DIFENEW INTERNATIONAL STUDENT CONFERENCE DISC 2023 , Novi Sad , 2023, Proceeding:65, ISBN 978-86-6022-632-9.
- **Mušović J.**, Tekić D., Marić S., Jocić A., Dimitrijević A., ANION INFLUENCE IN PHOSPHONIUM-BASED IONIC LIQUIDS ON THE FORMATION OF THE AQUEOUS BIPHASIC SYSTEMS, 3rd DIFENEW INTERNATIONAL STUDENT CONFERENCE DISC 2023 , Novi Sad , 2023, Proceeding:49, ISBN 978-86-6022-632-9.
- **Mušović J.**, Tekić D., Marić S., Jocić A., Dimitrijević A., EXTRACTION OF COBALT AND LITHIUM USING GREEN AQUEOUS BIPHASIC SYSTEMS BASED ON IONIC LIQUIDS, 3rd DIFENEW INTERNATIONAL STUDENT CONFERENCE DISC 2023, Novi Sad , 2023, Proceeding:48, ISBN 978-86-6022-632-9.

#### 5. Саопштења са скупова националног значаја штампана у изводу (M64):

- Lazarević D., **Mušović J.**, Trtić-Petrović T., Extraction of active pharmaceutical compound (parthenolide) using aqueous biphasic system based on triblock copolymers and deep eutectic solvent, 8th Conference of Young Chemists of Serbia, Beograd, Serbia, 2022, Proceeding: 68, ISBN: 978-86-7132-080-1.
- **Mušović J.**, Lazarević D., Stanković D., Trtić-Petrović T., Metal ion separations in polypropylene glycol (PPG400)-based aqueous biphasic systems with functionalized ionic liquids and deep eutectic solvents, 8th Conference of Young Chemists of Serbia, Belgrade, Serbia, 2022, Proceeding:69, ISBN: 978-86-7132-080-1.
- **Mušović J.**, Tekić D., Marić S., Dimitrijević A., Promising Phosphonium-Based Ionic Liquids aqueous biphasic systems for metal extraction, 9th Conference of Young Chemists of Serbia, Novi Sad, Serbia, 2023, Proceeding:91, ISBN: 978-86-7132-084-9.